

The European Strategy



Outline

- Meetings and activities in 2009
- Some key items discussed in the European Strategy Sessions of Council during the year
- Towards next Strategy Update

European Strategy Sessions of Council - 2009



- **2008:** Council appointed a Strategy Secretariat with four members to prepare the European Sessions of Council, and follow up the Strategy in a continuous manner – since then (Sept 2008) there has been regular European Strategy Sessions of Council.
 - Focus on large future European investments (scientists, funding) with important scientific and strategic goals with respect to European Particle Physics (i.e. not limited to the CERN program)
- Rules for implementation of how to recognize and follow up projects as part of the European Strategy for Particle Physics was approved by the Council in December 2008 (CERN-Council-S/030) – the focus is on large projects in the initial phase, i.e. future projects.
- **2009:** Three European Strategy Session meetings (March, June, September) with the corresponding SPC discussions during these Council weeks. The goal has been to build up a overview of ongoing and planned activities for each Scientific activity area in the European Strategy.
- In addition two SPC discussion in Nov. and Dec. to arrive at an improved procedure for preparing topical Strategy overviews for 2010 based on the experiences in 2009.
- The Strategy Secretariat has meet regularly throughout 2009, and several of the topics discussed in the Strategy Sessions of Council have also been discussed in ECFA and/or Director's Meetings. The latter two forum are something we would like to make more use of in 2010 and towards the next Strategy Update.

European Strategy Sessions of Council – 2009 continued



- The Strategy Sessions of Council agendas are at:
<http://indico.cern.ch/categoryDisplay.py?categId=1697> (papers normally available (open) after the meeting)
- Typical “standing/standard” items:
Presidents report, Scientific Secretaries Report, Possibility for members states to bring up issues.
FALC and ICFA reports if applicable.
ECFA report every September (note that ECFA also reports in Open Council in December).
Reports of the CERN communication and the CERN Technology Transfer Networks – yearly.
- Special presence:
European Commission (from September 2009) and ApPEC* representatives (from September 2008).
Three observes: Israel, Russia and Turkey.

*Astroparticle Physics European Coordination



The European Strategy

	Strategy Point	Status
General issues	Council will update the Strategy	Statement
Scientific Issues	LHC completion and SLHC R&D Accelerator R&D (TIARA project) Linear Collider Neutrino Physics Links to Astroparticle Physics (ApPEC) Flavour Physics (Super B) Links to Nuclear Physics Theory	Several aspects of this: <ul style="list-style-type: none"> • Future large infrastructures to be addressed in Strategy Updates or in-between updates • Ongoing projects and their relation to the Strategy Process and Strategy Session of Council • Preparation for next Strategy Update Additionally: Links to ApPEC developed, NuPECC links a focus for 2010
Organisational issues	Strategy follow up and set up strategy secretariat Engagement with other regions (Council Enlargement Working Group) EU relationship (EC-CERN MoU) Non member states related to Strategy	Many of these aspects are being addressed (European Strategy Sessions of Council and Secretariat, EC-CERN MoU, Enlargement Working Group)
Complementary Issues	Communication Network Technology Network and Transfer	Being followed up in European Strategy Sessions of Council

Some selected topics – I



■ ApPEC: Agreement with ApPEC concerning contacts

- Maurice Bourquin is the representative of the ApPEC Steering Committee in Council
- Christian Spiering as leader of the ApPEC Peer Review Committee is the contact to the Secretariat
- ECFA chair and the Scientific Secretary invited to ApPEC Steering Committee
- Focus on the potential future large projects in this field such that our next Strategy Update can be more precise with respects to such projects



■ CERN-EC Memorandum of Understanding (MoU)

- Signed in July 2009
- Very important recognitions of the role of CERN Council as responsible for definition and follow up of the European Strategy for Particle Physics
- The European Commission is represented in the European Strategy Sessions of Council – from September 2009
- A numbers of important point to point contacts between the Particle Physics area and EC, annual meetings to monitor progress
- Future development of the MoU (an “action plan”) will be prepared



Some selected topics – II

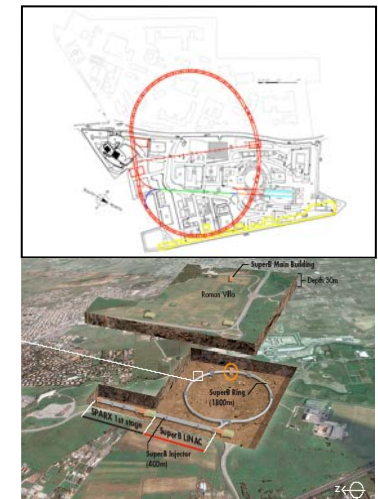
■ TIARA and other FP7 projects

- A preparatory phase project has been set up to establish a distributed infrastructure for accelerator R&D, including facilities very relevant for several of the future project on our roadmap – and involving other fields where accelerators are key infrastructures
- Potentially a very interesting and important project for the future
- Additionally: Several other EU projects are also important – SLHC-PP, ILC-HiGrade, Euronu, EUCARD, EUDET and AIDA ... and many more related to E-sciences and training networks. AIDA – just submitted – focus on infrastructure access, improvement and use for detector R&D relevant for sLHC, ILC/CLIC, future neutrino and flavour facilities.



■ SuperB

- The SuperB project in Frascati addresses one of the Strategy Points (regional or national initiatives for flavour studies) and has been discussed several times in Council the last year
- The ECFA report about SuperB from last autumn – reported in the Open Council Dec. 2008 – has been very valuable
- Several issues that need to be solved before this project can be implemented, but the project has gone through the initial steps needed in the Strategy Sessions of Council to explore the European interest and make the Council aware of the plans towards the TDR.
- Council will continue to follow the progress of this project during the TDR phase



The European Strategy – looking ahead



2010 – physics results:

We need to keep in mind that there are two key physics results mentioned in the Strategy:

- LHC results – today we will see key steps towards such results.
- Neutrino results – $\theta(13)$ among them.

In both cases there are lots of work ahead before the results can guide us towards decisions but our strong hope is that 2010 will be dominated by physics results.



Next Strategy Update:

- The CERN Council, in a special meeting held the 14th of July 2006 in Lisbon, agreed on the European strategy for particle physics.
- The updates should not happen more often than every 5 years. A five year interval would mean 2011, but it seems at least one year too early to have LHC results – the timescale will be discussed in the March 2010 Council Meeting.
- The composition of the extended Strategy Group that need to be set up to prepare the Strategy Update is described in Council documents from 2007 (Secretariat, members from SPC, ECFA and Director's Meeting). The process, including a wide consultancy with the scientific community, will need to be triggered more than a year in advance.

The European Strategy



Outline

- Meetings and activities in 2009
- Some key items discussed in the European Strategy Sessions of Council during the year
- Towards next Strategy Update

European Strategy Sessions of Council - 2009



- **2008:** Council appointed a Strategy Secretariat with four members to prepare the European Sessions of Council, and follow up the Strategy in a continuous manner – since then (Sept 2008) there has been regular European Strategy Sessions of Council.
 - Focus on large future European investments (scientists, funding) with important scientific and strategic goals with respect to European Particle Physics (i.e. not limited to the CERN program)
- Rules for implementation of how to recognize and follow up projects as part of the European Strategy for Particle Physics was approved by the Council in December 2008 (CERN-Council-S/030) – the focus is on large projects in the initial phase, i.e. future projects.
- **2009:** Three European Strategy Session meetings (March, June, September) with the corresponding SPC discussions during these Council weeks. The goal has been to build up a overview of ongoing and planned activities for each Scientific activity area in the European Strategy.
- In addition two SPC discussion in Nov. and Dec. to arrive at an improved procedure for preparing topical Strategy overviews for 2010 based on the experiences in 2009.
- The Strategy Secretariat has meet regularly throughout 2009, and several of the topics discussed in the Strategy Sessions of Council have also been discussed in ECFA and/or Director's Meetings. The latter two forum are something we would like to make more use of in 2010 and towards the next Strategy Update.

European Strategy Sessions of Council – 2009 continued



- The Strategy Sessions of Council agendas are at:
<http://indico.cern.ch/categoryDisplay.py?categId=1697> (papers normally available (open) after the meeting)
- Typical “standing/standard” items:
Presidents report, Scientific Secretaries Report, Possibility for members states to bring up issues.
FALC and ICFA reports if applicable.
ECFA report every September (note that ECFA also reports in Open Council in December).
Reports of the CERN communication and the CERN Technology Transfer Networks – yearly.
- Special presence:
European Commission (from September 2009) and ApPEC* representatives (from September 2008).
Three observes: Israel, Russia and Turkey.

*Astroparticle Physics European Coordination



The European Strategy

	Strategy Point	Status
General issues	Council will update the Strategy	Statement
Scientific Issues	LHC completion and SLHC R&D Accelerator R&D (TIARA project) Linear Collider Neutrino Physics Links to Astroparticle Physics (ApPEC) Flavour Physics (Super B) Links to Nuclear Physics Theory	Several aspects of this: <ul style="list-style-type: none"> • Future large infrastructures to be addressed in Strategy Updates or in-between updates • Ongoing projects and their relation to the Strategy Process and Strategy Session of Council • Preparation for next Strategy Update Additionally: Links to ApPEC developed, NuPECC links a focus for 2010
Organisational issues	Strategy follow up and set up strategy secretariat Engagement with other regions (Council Enlargement Working Group) EU relationship (EC-CERN MoU) Non member states related to Strategy	Many of these aspects are being addressed (European Strategy Sessions of Council and Secretariat, EC-CERN MoU, Enlargement Working Group)
Complementary Issues	Communication Network Technology Network and Transfer	Being followed up in European Strategy Sessions of Council

Some selected topics – I



■ ApPEC: Agreement with ApPEC concerning contacts

- Maurice Bourquin is the representative of the ApPEC Steering Committee in Council
- Christian Spiering as leader of the ApPEC Peer Review Committee is the contact to the Secretariat
- ECFA chair and the Scientific Secretary invited to ApPEC Steering Committee
- Focus on the potential future large projects in this field such that our next Strategy Update can be more precise with respects to such projects



■ CERN-EC Memorandum of Understanding (MoU)

- Signed in July 2009
- Very important recognitions of the role of CERN Council as responsible for definition and follow up of the European Strategy for Particle Physics
- The European Commission is represented in the European Strategy Sessions of Council – from September 2009
- A numbers of important point to point contacts between the Particle Physics area and EC, annual meetings to monitor progress
- Future development of the MoU (an “action plan”) will be prepared



Some selected topics – II

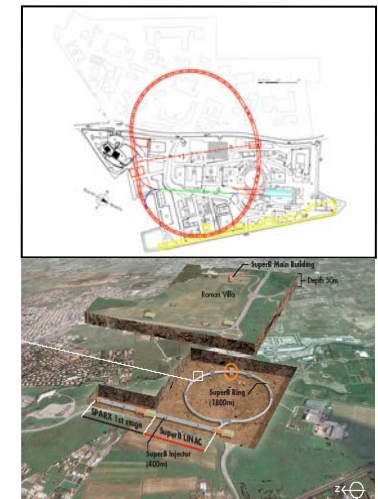
■ TIARA and other FP7 projects

- A preparatory phase project has been set up to establish a distributed infrastructure for accelerator R&D, including facilities very relevant for several of the future project on our roadmap – and involving other fields where accelerators are key infrastructures
- Potentially a very interesting and important project for the future
- Additionally: Several other EU projects are also important – SLHC-PP, ILC-HiGrade, Euronu, EUCARD, EUDET and AIDA ... and many more related to E-sciences and training networks. AIDA – just submitted – focus on infrastructure access, improvement and use for detector R&D relevant for sLHC, ILC/CLIC, future neutrino and flavour facilities.



■ SuperB

- The SuperB project in Frascati addresses one of the Strategy Points (regional or national initiatives for flavour studies) and has been discussed several times in Council the last year
- The ECFA report about SuperB from last autumn – reported in the Open Council Dec. 2008 – has been very valuable
- Several issues that need to be solved before this project can be implemented, but the project has gone through the initial steps needed in the Strategy Sessions of Council to explore the European interest and make the Council aware of the plans towards the TDR.
- Council will continue to follow the progress of this project during the TDR phase



The European Strategy – looking ahead



2010 – physics results:

We need to keep in mind that there are two key physics results mentioned in the Strategy:

- LHC results – today we will see key steps towards such results.
- Neutrino results – $\theta(13)$ among them.

In both cases there are lots of work ahead before the results can guide us towards decisions but our strong hope is that 2010 will be dominated by physics results.



Next Strategy Update:

- The CERN Council, in a special meeting held the 14th of July 2006 in Lisbon, agreed on the European strategy for particle physics.
- The updates should not happen more often than every 5 years. A five year interval would mean 2011, but it seems at least one year too early to have LHC results – the timescale will be discussed in the March 2010 Council Meeting.
- The composition of the extended Strategy Group that need to be set up to prepare the Strategy Update is described in Council documents from 2007 (Secretariat, members from SPC, ECFA and Director's Meeting). The process, including a wide consultancy with the scientific community, will need to be triggered more than a year in advance.

The European Strategy



Outline

- Meetings and activities in 2009
- Some key items discussed in the European Strategy Sessions of Council during the year
- Towards next Strategy Update

European Strategy Sessions of Council - 2009



- **2008:** Council appointed a Strategy Secretariat with four members to prepare the European Sessions of Council, and follow up the Strategy in a continuous manner – since then (Sept 2008) there has been regular European Strategy Sessions of Council.
 - Focus on large future European investments (scientists, funding) with important scientific and strategic goals with respect to European Particle Physics (i.e. not limited to the CERN program)
- Rules for implementation of how to recognize and follow up projects as part of the European Strategy for Particle Physics was approved by the Council in December 2008 (CERN-Council-S/030) – the focus is on large projects in the initial phase, i.e. future projects.
- **2009:** Three European Strategy Session meetings (March, June, September) with the corresponding SPC discussions during these Council weeks. The goal has been to build up a overview of ongoing and planned activities for each Scientific activity area in the European Strategy.
- In addition two SPC discussion in Nov. and Dec. to arrive at an improved procedure for preparing topical Strategy overviews for 2010 based on the experiences in 2009.
- The Strategy Secretariat has meet regularly throughout 2009, and several of the topics discussed in the Strategy Sessions of Council have also been discussed in ECFA and/or Director's Meetings. The latter two forum are something we would like to make more use of in 2010 and towards the next Strategy Update.

European Strategy Sessions of Council – 2009 continued



- The Strategy Sessions of Council agendas are at:
<http://indico.cern.ch/categoryDisplay.py?categId=1697> (papers normally available (open) after the meeting)
- Typical “standing/standard” items:
Presidents report, Scientific Secretaries Report, Possibility for members states to bring up issues.
FALC and ICFA reports if applicable.
ECFA report every September (note that ECFA also reports in Open Council in December).
Reports of the CERN communication and the CERN Technology Transfer Networks – yearly.
- Special presence:
European Commission (from September 2009) and ApPEC* representatives (from September 2008).
Three observes: Israel, Russia and Turkey.

*Astroparticle Physics European Coordination



The European Strategy

	Strategy Point	Status
General issues	Council will update the Strategy	Statement
Scientific Issues	LHC completion and SLHC R&D Accelerator R&D (TIARA project) Linear Collider Neutrino Physics Links to Astroparticle Physics (ApPEC) Flavour Physics (Super B) Links to Nuclear Physics Theory	Several aspects of this: <ul style="list-style-type: none"> • Future large infrastructures to be addressed in Strategy Updates or in-between updates • Ongoing projects and their relation to the Strategy Process and Strategy Session of Council • Preparation for next Strategy Update Additionally: Links to ApPEC developed, NuPECC links a focus for 2010
Organisational issues	Strategy follow up and set up strategy secretariat Engagement with other regions (Council Enlargement Working Group) EU relationship (EC-CERN MoU) Non member states related to Strategy	Many of these aspects are being addressed (European Strategy Sessions of Council and Secretariat, EC-CERN MoU, Enlargement Working Group)
Complementary Issues	Communication Network Technology Network and Transfer	Being followed up in European Strategy Sessions of Council

Some selected topics – I



■ ApPEC: Agreement with ApPEC concerning contacts

- Maurice Bourquin is the representative of the ApPEC Steering Committee in Council
- Christian Spiering as leader of the ApPEC Peer Review Committee is the contact to the Secretariat
- ECFA chair and the Scientific Secretary invited to ApPEC Steering Committee
- Focus on the potential future large projects in this field such that our next Strategy Update can be more precise with respects to such projects



■ CERN-EC Memorandum of Understanding (MoU)

- Signed in July 2009
- Very important recognitions of the role of CERN Council as responsible for definition and follow up of the European Strategy for Particle Physics
- The European Commission is represented in the European Strategy Sessions of Council – from September 2009
- A numbers of important point to point contacts between the Particle Physics area and EC, annual meetings to monitor progress
- Future development of the MoU (an “action plan”) will be prepared



Some selected topics – II

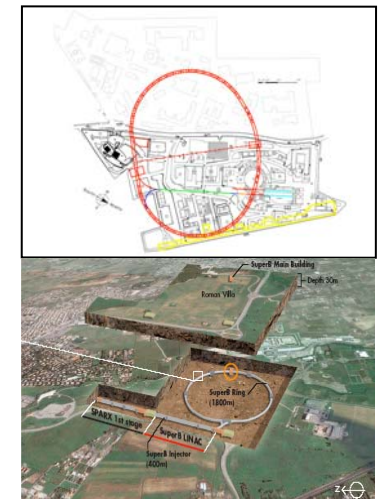
■ TIARA and other FP7 projects

- A preparatory phase project has been set up to establish a distributed infrastructure for accelerator R&D, including facilities very relevant for several of the future project on our roadmap – and involving other fields where accelerators are key infrastructures
- Potentially a very interesting and important project for the future
- Additionally: Several other EU projects are also important – SLHC-PP, ILC-HiGrade, Euronu, EUCARD, EUDET and AIDA ... and many more related to E-sciences and training networks. AIDA – just submitted – focus on infrastructure access, improvement and use for detector R&D relevant for sLHC, ILC/CLIC, future neutrino and flavour facilities.



■ SuperB

- The SuperB project in Frascati addresses one of the Strategy Points (regional or national initiatives for flavour studies) and has been discussed several times in Council the last year
- The ECFA report about SuperB from last autumn – reported in the Open Council Dec. 2008 – has been very valuable
- Several issues that need to be solved before this project can be implemented, but the project has gone through the initial steps needed in the Strategy Sessions of Council to explore the European interest and make the Council aware of the plans towards the TDR.
- Council will continue to follow the progress of this project during the TDR phase



The European Strategy – looking ahead



2010 – physics results:

We need to keep in mind that there are two key physics results mentioned in the Strategy:

- LHC results – today we will see key steps towards such results.
- Neutrino results – $\theta(13)$ among them.

In both cases there are lots of work ahead before the results can guide us towards decisions but our strong hope is that 2010 will be dominated by physics results.



Next Strategy Update:

- The CERN Council, in a special meeting held the 14th of July 2006 in Lisbon, agreed on the European strategy for particle physics.
- The updates should not happen more often than every 5 years. A five year interval would mean 2011, but it seems at least one year too early to have LHC results – the timescale will be discussed in the March 2010 Council Meeting.
- The composition of the extended Strategy Group that need to be set up to prepare the Strategy Update is described in Council documents from 2007 (Secretariat, members from SPC, ECFA and Director's Meeting). The process, including a wide consultancy with the scientific community, will need to be triggered more than a year in advance.